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(71) Applicants (for all designated States except US): CHILDREN'S HOSPITAL MEDICAL CENTER [US/US]; 3333 Burnet Avenue, Cincinnati, OH 45229 (US). UNIVERSITY OF CINCINNATI [US/US]; 2624 Clifton Avenue, Cincinnati, OH 45221-0623 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BRUNSKILL, Eric, W. [US/US]; 6477 Chablis Drive, Cincinnati, OH 45011 (US). POTTER, S., Steven [US/US]; 6983 Treeridge Drive, Cincinnati, OH 45244 (US).

(74) Agents: NESBITT, Daniel, F. et al.; Hasse & Nesbitt LLC, 7550 Central Parke Blvd., Mason, OH 45040 (US).

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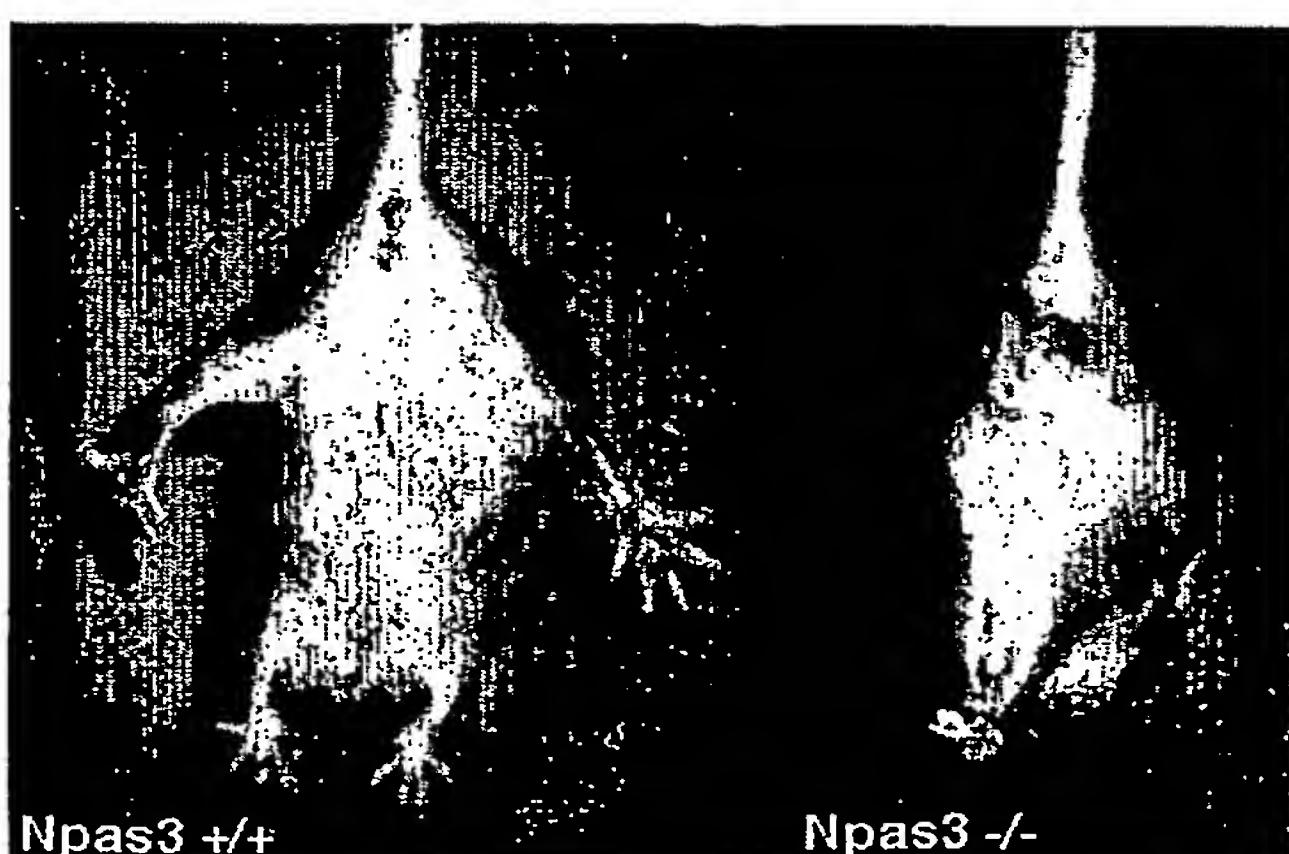
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(54) Title: NPAS3 MUTANT MICE AND USES FOR SCREENING AND TESTING THERAPIES FOR SCHIZOPHRENIA AND RELATED NEUROLOGICAL DISORDERS



(57) Abstract: A transgenic mouse with a gene-targeted mutation of the *Npas3* gene, and a model of schizophrenia and related neurological disorders such as Obsessive-Compulsive Disorder, Tourette's Syndrome, and bipolar disorders, and other neurological disorders affecting locomotor activity, including Parkinson's Disease. A method is also provided for use of the *Npas3*-deficient mouse for testing the efficacy of a biologically active agent as a treatment for schizophrenia and related neurological disorders. The methods further includes uses of cells and cell lines derived from an *Npas3*-deficient mouse to screen biologically active agents that can alter biochemical pathways involved in schizophrenia and related neurological disorders, including those affecting locomotion.

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